

## SEARCH REQUEST FORM

## Scientific and Technical Information Center

Requester's Full Name: Esenzo P. Reinhard Examiner # : 59728 Date: 2/3/03  
 Art Unit: 2602 Phone Number 30 305-471 Serial Number: 091654939  
 Mail Box and Bldg/Room Location: PK2 8113 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 5,793,189

<b>STAFF USE ONLY</b>		<b>Type of Search</b>	<b>Vendors and cost where applicable</b>
Searcher:	Kim Johnson	NA Sequence (#)	STN _____
Searcher Phone #:	_____	AA Sequence (#)	Dialog _____
Searcher Location:	_____	Structure (#)	Questel/Orbit _____
Date Searcher Picked Up:	2/3/03	Bibliographic	Dr.Link _____
Date Completed:	2/3/03	Litigation	Lexis/Nexis _____
Searcher Prep & Review Time:	_____	Fulltext	Sequence Systems _____
Clerical Prep Time:	_____	Patent Family	WWW/Internet _____
Online Time:	20	Other	Other (specify) _____

Query/Command : prt max legalall

## 1/1 PLUSPAT - ©QUESTEL-ORBIT

PN - US5793897 A 19980811 [US5793897]  
TI - (A) Adaptive variable-length coding and decoding methods for image data  
PA - (A) SAMSUNG ELECTRONICS CO LTD (KR)  
IN - (A) JO JAE-MOON (KR); JEONG JE-CHANG (KR)  
AP - US49559195 19951103 [1995US-0495591]  
PR - KR9328074 19931216 [1993KR-0028074]  
WOKR9400177 19941216 [1994WO-KR00177]  
KR9434497 19941215 [1994KR-0034497]  
IC - (A) G06K-009/00  
PCL - ORIGINAL (O) : 382246000; CROSS-REFERENCE (X) : 382239000  
DT - Basic  
CT - US5329318; US5377051  
STG - (A) United States patent  
AB - PCT No. PCT/KR94/00177 Sec. 371 Date Nov. 3, 1995 Sec. 102(e) Date Nov. 3, 1995 PCT Filed Dec. 16, 1994 PCT Pub. No. WO95/17073 PCT Pub. Date Jun. 22, 1995 An adaptive variable-length coding/decoding method performs an optimal variable-length coding and decoding depending on an intra mode/inter mode condition, quantization step size and a current zigzag scanning position, such that a plurality of variable-length coding tables having different patterns of a regular region and an escape region according to statistical characteristics of the run level data are set. One of the variable-length coding tables is selected according to mode, quantization step size and scanning position, and the orthogonal transform coefficients according to the selected variable-length coding table are variable-length-coded.

## 1/1 LGST - ©LEGSTAT

PN - US 5793897 [US5793897]  
AP - US 495591/95 19951103 [1995US-0495591]  
DT - US-P  
ACT - 19951103 US/AE-A  
APPLICATION DATA (PATENT)  
US 495591/95 19951103 [1995US-0495591]

19980811 US/A  
PATENT

20001010 US/RF  
REISSUE APPLICATION FILED  
20000811

20010206 US/RF  
REISSUE APPLICATION FILED  
20000831

UP - 2001-06

## 1/1 CRXX - ©CLAIMS/RRX

PN - 5,793,897 A 19980811 [US5793897]

PA - Samsung Electronics Co Ltd KR  
ACT - 20000811 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001010  
REISSUE REQUEST NUMBER: 09/638796  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2721

Reissue Patent Number:

20000831 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010206  
REISSUE REQUEST NUMBER: 09/654939  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2621

Reissue Patent Number:

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1 / 2 PAST - ©Thomson Derwent

AN - 200106-001127  
PN - 5793897 A [US5793897]  
OG - 2001-02-06  
ACT - REISSUE APPLICATION FILED

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2 / 2 PAST - ©Thomson Derwent

AN - 200041-001162  
PN - 5793897 A [US5793897]  
OG - 2000-10-10  
ACT - REISSUE APPLICATION FILED

&lt;=1&gt; GET 1st DRAWING SHEET OF 7

August 11, 1998

Adaptive variable-length coding and decoding methods for  
image data

REISSUE: Reissue Application filed Aug. 31, 2000 (O.G. Feb. 6, 2001) Ex. Gp.: 2621; Re. S.N. 09/654,939Reissue Application filed Aug. 11, 2000 (O.G. Oct. 10, 2000) Ex. Gp.: 2721; Re. S.N. 09/638,796, (O.G. February 6, 2001)

APPL-NO: 495591 (08)

FILED-DATE: November 3, 1995

GRANTED-DATE: August 11, 1998

CORE TERMS: coding, sub, variable-length, decoding, quantization, scanning, region, transmitted, bit, coefficient ...

## ENGLISH-ABST:

An adaptive variable-length coding/decoding method performs an optimal variable-length coding and decoding depending on an intra mode/inter mode condition, quantization step size and a current zigzag scanning position, such that a plurality of variable-length coding tables having different patterns of a regular region and an escape region according to statistical characteristics of the run level data are set. One of the variable-length coding tables is selected according to mode, quantization step size and scanning position, and the orthogonal transform coefficients according to the selected variable-length coding table are variable-length-coded.

5,793,897 OR 5793897

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,793,897 OR 5793897

**LEXIS-NEXIS**  
Library: PATENT  
File: JNLS

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What you enter will be Search Level 1.

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5,793,897 OR 5793897

**LEXIS-NEXIS**  
**Library: NEWS**  
**File: CURNWS**

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

File 345:Inpadoc/Fam.& Legal Stat 1968-2002/UD=200304  
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Set Items Description

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2 s pn=us 5793897 /  
S1 1 PN=US 5793897  
? t 1/39/1

1/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
(c) 2003 EPO. All rts. reserv.

12496813

Basic Patent (No,Kind,Date): WO 9517073 A1 19950622 <No. of Patents: 017>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
CN 1117779	A	19960228	CN 94191195	A	19941216
CN 1280421	A	20010117	CN 2000108368	A	20000515
CN 1071526	B	20010919	CN 94191195	A	19941216
DE 69425047	C0	20000803	DE 69425047	A	19941216
DE 69425047	T2	20001026	DE 69425047	A	19941216
EP 685137	A1	19951206	EP 95903454	A	19941216
EP 987899	A2	20000322	EP 99124622	A	19941216
EP 987900	A2	20000322	EP 99124631	A	19941216
EP 987899	A3	20010328	EP 99124622	A	19941216
EP 987900	A3	20010328	EP 99124631	A	19941216
EP 685137	B1	20000628	EP 95903454	A	19941216
JP 2898757	B2	19990602	JP 94516680	A	19941216
JP 8507191	T2	19960730	JP 94516680	A	19941216
KR 155784	B1	19981215	KR 9434497	A	19941215
KR 9602004	Y1	19960307	KR 93U28074	U	19931216
US 5793897	A	19980811	US 495591	A	19951103
WO 9517073	A1	19950622	WO 94KR177	A	19941216 (BASIC)

Priority Data (No,Kind,Date):

KR 9328074 A 19931216  
KR 9434497 A 19941215  
WO 94KR177 W 19941216  
EP 95903454 A3 19941216  
KR 93U28074 U 19931216

PATENT FAMILY:

CHINA (CN)

Patent (No,Kind,Date): CN 1117779 A 19960228  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA  
(English)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JO JAE MOON (KR); JEONG JE CHANG (KR)

Priority (No,Kind,Date): KR 9328074 A 19931216; KR 9434497 A  
19941215

Applic (No,Kind,Date): CN 94191195 A 19941216

IPC: \* H04N-005/92; G11B-020/14; H03M-007/38

Derwent WPI Acc No: \* G 95-231787

Language of Document: Chinese

Patent (No,Kind,Date): CN 1280421 A 20010117

SELF ADAPTIVE VARIABLE LENGTH DECODING METHOD FOR IMAGE DATA (English)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): CHAE-MOON CHO (KR); JE-CHANG CHUNG (KR)

Priority (No,Kind,Date): KR 9328074 A 19931216; KR 9434497 A

19941215  
Applc (No,Kind,Date): CN 2000108368 A 20000515  
IPC: \* H03M-007/42; H04N-007/24  
Derwent WPI Acc No: \* G 95-231787  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1071526 B 20010919  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA  
(English)  
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)  
Author (Inventor): JO JAE MOON (KR); JEONG JE CHANG (KR)  
Priority (No,Kind,Date): KR 9328074 A 19931216; KR 9434497 A  
19941215  
Applc (No,Kind,Date): CN 94191195 A 19941216  
IPC: \* H04N-005/92; G11B-020/14; H03M-007/38  
Derwent WPI Acc No: \* G 95-231787  
Language of Document: Chinese

GERMANY (DE)

Patent (No,Kind,Date): DE 69425047 C0 20000803  
ADAPTIVES VARIABLEN LAENGENKODIERUNGS- UND -DEKODIERUNGSVERFAHREN FUER  
BILDDATEN (German)  
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)  
Author (Inventor): JO MOON (KR); JEONG CHANG (KR)  
Priority (No,Kind,Date): KR 9328074 A 19931216; KR 9434497 A  
19941215; WO 94KR177 W 19941216  
Applc (No,Kind,Date): DE 69425047 A 19941216  
IPC: \* H04N-005/92; G11B-020/14; H03M-007/38  
Derwent WPI Acc No: \* G 95-231787  
Language of Document: German  
Patent (No,Kind,Date): DE 69425047 T2 20001026  
ADAPTIVES VARIABLEN LAENGENKODIERUNGS- UND -DEKODIERUNGSVERFAHREN FUER  
BILDDATEN (German)  
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)  
Author (Inventor): JO MOON (KR); JEONG CHANG (KR)  
Priority (No,Kind,Date): KR 9328074 A 19931216; KR 9434497 A  
19941215; WO 94KR177 W 19941216  
Applc (No,Kind,Date): DE 69425047 A 19941216  
IPC: \* H04N-005/92; G11B-020/14; H03M-007/38  
Derwent WPI Acc No: \* G 95-231787  
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
DE 69425047 P 20000803 DE REF CORRESPONDS TO (ENTSPRICHT)  
  
EP 685137 P 20000803  
DE 69425047 P 20001026 DE 8373 TRANSLATION OF PATENT  
DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
HAS BEEN PUBLISHED (UEBERSETZUNG DER  
PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
EINGEGANGEN UND VEROFFENTLICHT WORDEN)  
DE 69425047 P 20010719 DE 8364 NO OPPOSITION DURING TERM OF  
OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE  
DASS EINSPRUCH ERHOBEN WURDE)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 685137 A1 19951206  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA.  
(English; French; German)  
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)  
Author (Inventor): JO JAE MOON - HYUNDAI APARTMEN (KR); JEONG JE  
CHANG (KR)

Priority (No,Kind,Date): WO 94KR177 W 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215

Applic (No,Kind,Date): EP 95903454 A 19941216

Designated States: (National) DE; FR; GB

IPC: \* H04N-005/92; G11B-020/14; H03M-007/38

Derwent WPI Acc No: \* G 95-231787

Language of Document: English

Patent (No,Kind,Date): EP 987899 A2 20000322  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHOD FOR VIDEO DATA  
(English; French; German)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JO JAE MOON (KR); JEON JE CHANG (KR)

Priority (No,Kind,Date): EP 95903454 A3 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215

Applic (No,Kind,Date): EP 99124622 A 19941216

Designated States: (National) DE; FR; GB

IPC: \* H04N-007/50

Derwent WPI Acc No: \* G 95-231787

Language of Document: English

Patent (No,Kind,Date): EP 987900 A2 20000322  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHOD FOR VIDEO DATA  
(English; French; German)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JO JAE MOON (KR); JEON JE CHANG (KR)

Priority (No,Kind,Date): EP 95903454 A3 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215

Applic (No,Kind,Date): EP 99124631 A 19941216

Designated States: (National) DE; FR; GB

IPC: \* H04N-007/50

Derwent WPI Acc No: \* G 95-231787

Language of Document: English

Patent (No,Kind,Date): EP 987899 A3 20010328  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHOD FOR VIDEO DATA  
(English; French; German)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JO JAE MOON (KR); JEON JE CHANG (KR)

Priority (No,Kind,Date): EP 95903454 A3 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215

Applic (No,Kind,Date): EP 99124622 A 19941216

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04N-007/50

Derwent WPI Acc No: \* G 95-231787

Language of Document: English

Patent (No,Kind,Date): EP 987900 A3 20010328  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHOD FOR VIDEO DATA  
(English; French; German)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JO JAE MOON (KR); JEON JE CHANG (KR)

Priority (No,Kind,Date): EP 95903454 A3 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215

Applic (No,Kind,Date): EP 99124631 A 19941216

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04N-007/50

Derwent WPI Acc No: \* G 95-231787

Language of Document: English

Patent (No,Kind,Date): EP 685137 B1 20000628  
ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA  
(English; French; German)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JO JAE MOON (KR); JEONG JE CHANG (KR)  
Priority (No,Kind,Date): WO 94KR177 W 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215  
Applc (No,Kind,Date): EP 95903454 A 19941216  
Designated States: (National) DE; FR; GB  
IPC: \* H04N-005/92; G11B-020/14; H03M-007/38  
Derwent WPI Acc No: \* G 95-231787  
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 685137	P	19931216	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 685137	P	19941215	EP AA	KR 9328074 A 19931216 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 685137	P	19941216	EP AA	KR 9434497 A 19941215 PCT-APPLICATION (PCT-ANMELDUNG)
EP 685137	P	19941216	EP AE	WO 94KR177 W 19941216 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 685137	P	19951206	EP AK	EP 95903454 A 19941216 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
EP 685137	P	19951206	EP A1	DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 685137	P	19960124	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 951125
EP 685137	P	19971210	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 971024
EP 685137	P	20000202	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 685137	P	20000202	EP RAHF	EP 99124622 A 19991210 DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 685137	P	20000322	EP AH	EP 99124631 A 19991210 DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 685137	P	20000322	EP AH	EP 987899 P DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 685137	P	20000628	EP AHF	EP 987900 P DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 685137	P	20000628	EP AHF	987899 EP 99124622 A 19991210 DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 685137	P	20000628	EP AHF	987900 EP 99124631 A 19991210 DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 685137 P 20000628 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)  
                   DE FR GB  
 EP 685137 P 20000628 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)  
 EP 685137 P 20000803 EP REF CORRESPONDS TO:  
                   (ENTSPRICHT)  
                   DE 69425047 P 20000803  
 EP 685137 P 20000804 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)  
 EP 685137 P 20010613 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)  
 EP 685137 P 20020101 GB 1002/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01  
 EP 987899 P 19931216 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
                   KR 9328074 A 19931216  
 EP 987899 P 19941215 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
                   KR 9434497 A 19941215  
 EP 987899 P 19941216 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
                   EP 95903454 A3 19941216  
 EP 987899 P 19941216 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
                   EP 99124622 A 19941216  
 EP 987899 P 20000322 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
                   EP 685137 P  
 EP 987899 P 20000322 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
                   DE FR GB  
 EP 987899 P 20000322 EP AX ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBÜEHREN)  
                   LT;SI  
 EP 987899 P 20000322 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VERÖFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 987899 P 20000322 EP 17P REQUEST FOR EXAMINATION FILED (PRÜFUNGSANTRAG GESTELLT)  
                   19991210  
 EP 987899 P 20010328 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
                   AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 EP 987899 P 20010328 EP AX EXTENSION OF THE EUROPEAN PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF)  
                   LT;SI  
 EP 987899 P 20010328 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERT)

VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 987899 P 20011219 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 987899 P 20020911 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20020726

EP 987900 P 19931216 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 987900 P KR 9328074 A 19931216  
19941215 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 987900 P KR 9434497 A 19941215  
19941216 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 95903454 A3 19941216

EP 987900 P 19941216 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 99124631 A 19941216

EP 987900 P 20000322 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 685137 P

EP 987900 P 20000322 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

EP 987900 P DE FR GB  
20000322 EP AX ERSTRECKUNG DES  
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON  
BENENNUNGSGEBUEHREN)  
LT;SI

EP 987900 P 20000322 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 987900 P 20000322 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
19991210

EP 987900 P 20010328 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 987900 P 20010328 EP AX EXTENSION OF THE EUROPEAN  
PATENT TO (ERSTRECKUNG DES EUROPÄISCHEN  
PATENTS AUF)  
LT;SI

EP 987900 P 20010328 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDerte  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 987900 P 20011219 EP AKX PAYMENT OF DESIGNATION FEES  
(ZAHLUNG VON BENENNUNGSGEBUEHREN)  
DE FR GB

EP 987900 P 20020911 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20020726

JAPAN (JP)

Patent (No,Kind,Date): JP 2898757 B2 19990602  
Patent Assignee: SANSEI ELECTRONICS CORP  
Author (Inventor): JOO JAE MUUN; JEON JE CHAN  
Priority (No,Kind,Date): WO 94KR177 W 19941216; KR 9328074 A  
19931216; KR 9434497 A 19941215  
Applic (No,Kind,Date): JP 94516680 A 19941216  
IPC: \* H04N-007/30; H04N-005/92  
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Patent (No,Kind,Date): JP 8507191 T2 19960730  
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KOREA, REPUBLIC (KR)

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ADAPTABLE VARIABLE CODER/DECODER METHOD OF IMAGE DATA (English)  
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)  
Author (Inventor): CHON BYUNG-WOO (KR); JUNG JAE-CHANG (KR)  
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19931216  
Applic (No,Kind,Date): KR 9434497 A 19941215  
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Language of Document: Korean  
Patent (No,Kind,Date): KR 9602004 Y1 19960307  
DEVICE OF TAR SLICKING CHECK (English)  
Patent Assignee: POSCO (KR)  
Author (Inventor): SONG YOUNG-ILL (KR); CHOE BYUNG-IK (KR); YU  
INN-CHAN (KR)  
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ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA  
(English)  
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)  
Author (Inventor): JO JAE-MOON (KR); JEONG JE-CHANG (KR)  
Priority (No,Kind,Date): KR 9328074 A 19931216; KR 9434497 A  
19941215; WO 94KR177 W 19941216  
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National Class: \* 382246000; 382239000  
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UNITED STATES OF AMERICA (US)

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US 5793897 P 19931216 US AA PRIORITY (PATENT)  
KR 9328074 A 19931216

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US 5793897	P	19941216 US AA WO 94KR177 W	PCT-APPLICATION (PCT-APPL.) 19941216
US 5793897	P	19951103 US AE (APPL. DATA (PATENT)) US 495591 A	APPLICATION DATA (PATENT) 19951103
US 5793897	P	19980811 US A	PATENT
US 5793897	P	20001010 US RF (REISSUE APPL. FILED) 20000811	REISSUE APPLICATION FILED
US 5793897	P	20010206 US RF (REISSUE APPL. FILED) 20000831	REISSUE APPLICATION FILED

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9517073 A1 19950622

ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA  
(English)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR); JO JAE MOON (KR); JEONG JE CHANG (KR)

Author (Inventor): JO JAE MOON (KR); JEONG JE CHANG (KR)

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WO 9517073	P	19941215 WO AA KR 9434497 A	PRIORITY (PATENT) 19941215
WO 9517073	P	19941216 WO AE (DATA) WO 94KR177 A	APPLICATION DATA (APPL. DATA) 19941216
WO 9517073	P	19950622 WO AK CN JP US	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
WO 9517073	P	19950622 WO AL AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
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